

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
4 August 2005 (04.08.2005)

PCT

(10) International Publication Number
WO 2005/071079 A1

(51) International Patent Classification⁷: C12N 15/11, A61K 31/713, C12Q 1/68

(21) International Application Number: PCT/EP2005/000559

(22) International Filing Date: 18 January 2005 (18.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 60/537,940 21 January 2004 (21.01.2004) US

(71) Applicant (for all designated States except US): ISTITUTO DI RICERCHE DI BIOLOGIA MOLECOLARE PANGELETTI SPA [IT/IT]; Via Pontina KM 30.600, I-00040 Pomezia (Rome) (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): FILOCAMO, Jessica [IT/IT]; IRBM, Via Pontina KM 30.600, I-00040 Pomezia (Rome) (IT). STEINKUHLER, Christian [DE/IT]; IRBM; Via Pontina KM 30.600, I-00040 Pomezia (Rome) (IT).

(74) Agent: MAN, Jocelyn; Merck & Co., Inc., Terlings Park, Eastwick Road, Harlow Essex CM20 2QR (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AI, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

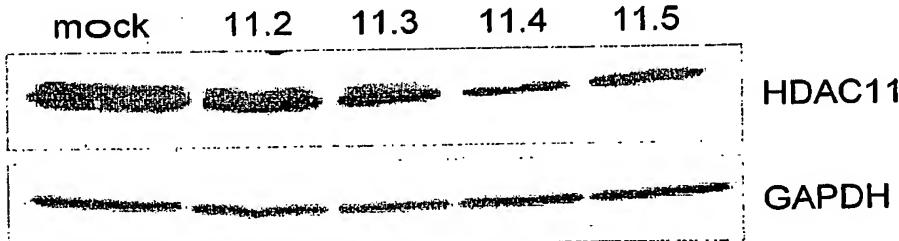
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SI, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: INHIBITORS OF MAMMALIAN HDAC 11 USEFUL FOR TREATING HDAC 11 MEDIATED DISORDERS



(57) Abstract: The present invention, relies, in part, on the discovery of the role of HDAC 11 in various cell proliferative disorders including cancer. In the main, the invention provides for methods of inhibiting HDAC 11 as a means of treating cell proliferative disorders. Reagents for use in inhibiting human HDAC 11 are also provided.

WO 2005/071079 A1